

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A dishwasher, comprising:

a housing;

a tub provided in the housing to hold tableware;

an injector assembly ~~for injecting~~ configured to inject water on the onto tableware
positioned in the tub; and

an inlet valve assembly, comprising:

a case ~~installed~~ provided at an inlet supply passage for supplying the that
supplies water to the tub, wherein the case having comprises an inlet opening via through which
~~the water flows in into the case,~~ and an outlet opening via through which ~~the water is discharged~~
from the case;

a first valve provided ~~to in~~ the case and configured to selectively open/ and
close a passage formed in the case; and

a second valve ~~closing~~ provided in the case and configured to close the
passage ~~in the case in case that the water leaks~~ when a leak is detected.

Reply to Office Action of January 4, 2007

2. (Currently Amended) The dishwasher as claimed in claim 1, wherein the case is ~~installed~~provided at a lower ~~part~~portion of a rear panel of the housing.

3. (Currently Amended) The dishwasher as claimed in claim 1, wherein the first valve is configured to selectively opens/closes~~open and close~~ the inlet opening in the case.

4. (Currently Amended) The dishwasher as claimed in claim 1, wherein the second valve ~~closes~~is configured to close the outlet opening in the case.

5. (Currently Amended) The dishwasher as claimed in claim 1, wherein the second valve ~~closes~~is configured to close the passage ~~by the water leaking~~based on an amount of water accumulated on a base panel of the housing.

6. (Currently Amended) The dishwasher as claimed in claim 1, the second valve comprising:

a diaphragm installed at the passage; and

a pressing mechanism ~~floated by the leaking water to press~~that selectively presses on the diaphragm to close the passage.

Reply to Office Action of January 4, 2007

7. (Currently Amended) The dishwasher as claimed in claim 6, the pressing mechanism comprising:

a float configured to ~~float~~float ~~by the leaking float on accumulated water in the~~
housing; and

a plunger ~~separated~~separate from the float and configured to press on the
diaphragm ~~if when the float is floated~~floats to a predetermined height on the accumulated water.

8. (Currently Amended) The dishwasher as claimed in claim 7, wherein the plunger ~~is attached to or detached from the float according to~~presses on or does not press on the
diaphragm based on a distance from between the plunger and an end of an arm coupled to the
float.

9. (Currently Amended) The dishwasher as claimed in claim 7, the pressing mechanism further comprising a magnet ~~detaching~~attached to an end of an arm coupled to the
float, wherein the magnet is configured to detachably engage with the plunger from the magnet
according to based on a distance from between the magnet and the plunger in the case.

10. (Currently Amended) The dishwasher as claimed in claim 7, ~~wherein the float is~~
~~guided by~~further comprising a guide provided on a base panel of the housing and configured to
guide movement of the float.

11. (Currently Amended) The dishwasher as claimed in claim 7, wherein the case comprises a holder ~~guiding~~ configured to guide a movement of the float.

12. (Currently Amended) The dishwasher as claimed in claim 7~~9~~, the float comprising:

a body ~~floated by the leaking~~ configured to float on accumulated water in the housing; and

an extension member extending from the body and into the case, to be a position adjacent to the plunger in the case.

13. (Original) The dishwasher as claimed in claim 12, wherein the body is formed of Styrofoam.

14. (Currently Amended) The dishwasher as claimed in claim 12, wherein the extension member comprises a rod ~~installed at~~ extending from the body and an arm extending from the rod to ~~be a position~~ adjacent to the plunger.

15. (Currently Amended) The dishwasher as claimed in claim 14, wherein the arm is movably ~~installed at~~ coupled to the rod.

16. (Currently Amended) The dishwasher as claimed in claim 12, wherein the magnet is ~~installed at~~ provided on the extension member ~~in the vicinity of,~~ in a position proximate to the plunger.

17. (Currently Amended) The dishwasher as claimed in claim 14, wherein the magnet is ~~installed at~~ provided on the arm.

18. (Currently Amended) The dishwasher as claimed in claim 14, wherein the rod comprises ~~a step supporting at least one step~~ configured to support the arm.

19. (Currently Amended) The dishwasher as claimed in claim 14, wherein the rod comprises a plurality of steps to ~~install~~ selectively couple the arm ~~at a~~ to corresponding predetermined ~~portion~~ portions of the rod ~~selectively~~.

20. (Currently Amended) An inlet valve assembly, comprising:
a case ~~installed~~ provided at an inlet passage ~~for supplying~~ configured to supply water, wherein the case ~~having~~ comprises an inlet ~~opening via~~ through which the water flows in and an outlet ~~opening via~~ through which the water is discharged;

Reply to Office Action of January 4, 2007

a first valve provided ~~to within~~ the case and configured to selectively open/ and close a passage formed in the case; and

a second valve ~~closing~~ configured to close the passage ~~in the case in case that the~~
~~water leaks~~ when a leak is detected.

21. (Currently Amended) The inlet valve assembly as claimed in claim 20, wherein the case is installed at a lower ~~part~~ portion of a rear panel of a housing of a home appliance.

22. (Currently Amended) The inlet valve assembly as claimed in claim 20, wherein the first valve is configured to selectively ~~opens/closes~~ open and close the inlet ~~opening~~.

23. (Currently Amended) The inlet valve assembly as claimed in claim 20, wherein the second valve ~~closes~~ is configured to close the outlet ~~opening~~.

24. (Currently Amended) The inlet valve assembly as claimed in claim 20, wherein the second valve ~~closes~~ is configured to close the passage ~~by the water leaking based on a level of~~
water accumulated on a base panel of a housing of a home appliance.

25. (Currently Amended) The inlet valve assembly as claimed in claim 20, the second valve comprising:

Reply to Office Action of January 4, 2007

a diaphragm installed at the passage; and

a pressing mechanism ~~floated by the leaking water~~ configured to press on the diaphragm to close the passage.

26. (Currently Amended) The inlet valve assembly as claimed in claim 25, the pressing mechanism comprising:

a float configured to ~~floated by the leaking~~ float on water accumulated from a leak water; and

a plunger ~~separated~~ separate from the float and configured to press on the diaphragm ~~if when the float is floated~~ risers to a predetermined height on the accumulated water.

27. (Currently Amended) The inlet valve assembly as claimed in claim 26, wherein the plunger is configured to ~~attached to or detached from the float according to~~ press on or not press on the diaphragm based on a distance ~~from between the plunger and an arm extending~~ from the float.

28. (Currently Amended) The inlet valve assembly as claimed in claim 26, the pressing mechanism further comprising a magnet ~~detaching~~ mounted on an arm extending from the float and configured to detachably engage the plunger ~~from the magnet according to a~~ based on a distance ~~from between the magnet and the plunger in the case.~~

29. (Currently Amended) The inlet valve assembly as claimed in claim 26, ~~wherein the float is guided by~~ further comprising a guide provided on a base panel of a housing of a home appliance and configured to guide the float.

30. (Currently Amended) The inlet valve assembly as claimed in claim 26, wherein the case comprises a holder ~~guiding~~ configured to guide a movement of the float.

31. (Currently Amended) The inlet valve assembly as claimed in claim ~~26~~27, the float comprising:

a body ~~floated by the leaking~~ configured to float on the accumulated water; and

an extension member extending from the body to ~~be a position~~ be a position adjacent to the plunger in the case.

32. (Original) The inlet valve assembly as claimed in claim 31, wherein the body is formed of Styrofoam.

33. (Currently Amended) The inlet valve assembly as claimed in claim 31, wherein the extension member comprises a rod ~~installed at~~ extending from the body and an arm extending from the rod to ~~be a position~~ be a position adjacent to the plunger.

34. (Currently Amended) The inlet valve assembly as claimed in claim 33, wherein the arm is movably ~~installed at~~ coupled to the rod.

35. (Currently Amended) The inlet valve assembly as claimed in claim 31, wherein the magnet is ~~installed at~~ provided on the extension member in ~~the vicinity of a position proximate to~~ the plunger.

36. (Currently Amended) The inlet valve assembly as claimed in claim 33, wherein the magnet is ~~installed at~~ provided on the arm.

37. (Currently Amended) The inlet valve assembly as claimed in claim 33, wherein the rod comprises ~~a step supporting at least one step configured to support~~ the arm.

38. (Currently Amended) The inlet valve assembly as claimed in claim 33, wherein the rod comprises a plurality of steps ~~to install~~ configured to selectively couple the arm ~~at a to~~ corresponding predetermined portion ~~portions~~ of the rod ~~selectively~~.

39. (New) A dishwasher, comprising:
a housing;

Reply to Office Action of January 4, 2007

a tub provided in the housing;

a nozzle assembly configured to direct washing fluid onto items in the tub; and

a valve assembly configured to control a flow of washing fluid into the tub, the

valve assembly comprising:

a case having an inlet through which washing fluid is introduced into the case, and an outlet through which water is discharged from the case;

a passage extending between the inlet and the outlet;

a first valve configured to selectively open and close the inlet formed in the case; and

a second valve configured to selectively open and close the outlet formed in the case based on an amount of water accumulated in the housing.

40. (New) The dishwasher of claim 39, wherein the second valve comprises:

a diaphragm installed in the passage; and

a pressing mechanism, comprising:

a float configured to float on water accumulated on a base panel of the housing, the float having an extension member that extends to a position adjacent the second valve; and

a plunger configured to press on the diaphragm when the float floats on the accumulated water, wherein the plunger is configured to press on or not press on the diaphragm based on a distance between the plunger and the extension member of the float.

41. (New) The dishwasher of claim 40, wherein the extension member of the float comprises:

a rod extending from the body; and

an arm movably coupled to the rod and extending from the rod to a position adjacent to the plunger.

42. (New) The dishwasher of claim 41, wherein a magnet is mounted on an end of the arm such that it is positioned adjacent the plunger.

43. (New) The dishwasher of claim 42, wherein when the level of accumulated water is low, the magnet is positioned close to the plunger and an attractive force of the magnet holds the plunger in a position where it does not press on the diaphragm, thus keeping the second valve open.

Serial No. **10/721,246**

Docket No. **K-0573**

Reply to Office Action of January 4, 2007

44. (New) The dishwasher of claim 43, wherein if the amount of accumulated water is great, the magnet moves away from the plunger, thereby releasing the plunger such that the plunger presses on the diaphragm, thereby closing the second valve.